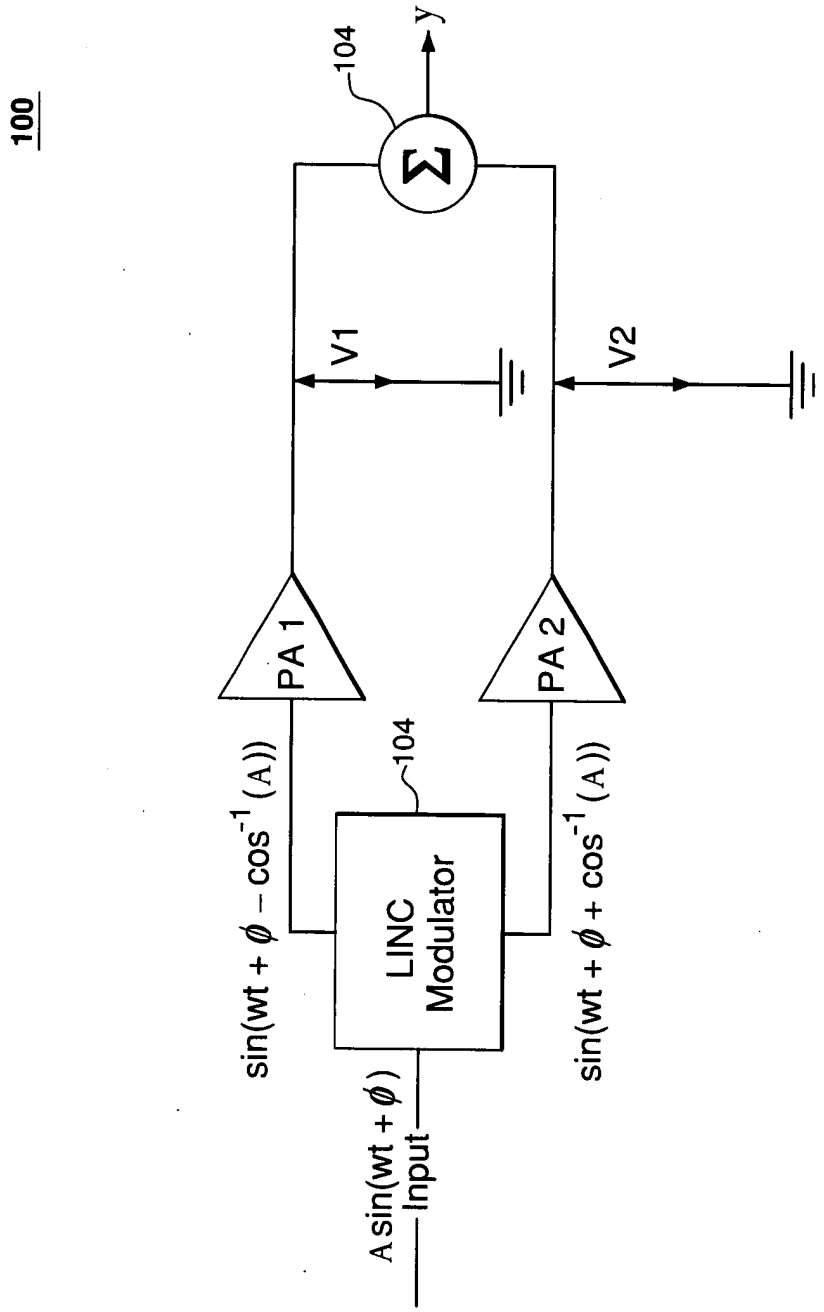

FIG. 1
(PRIOR ART)

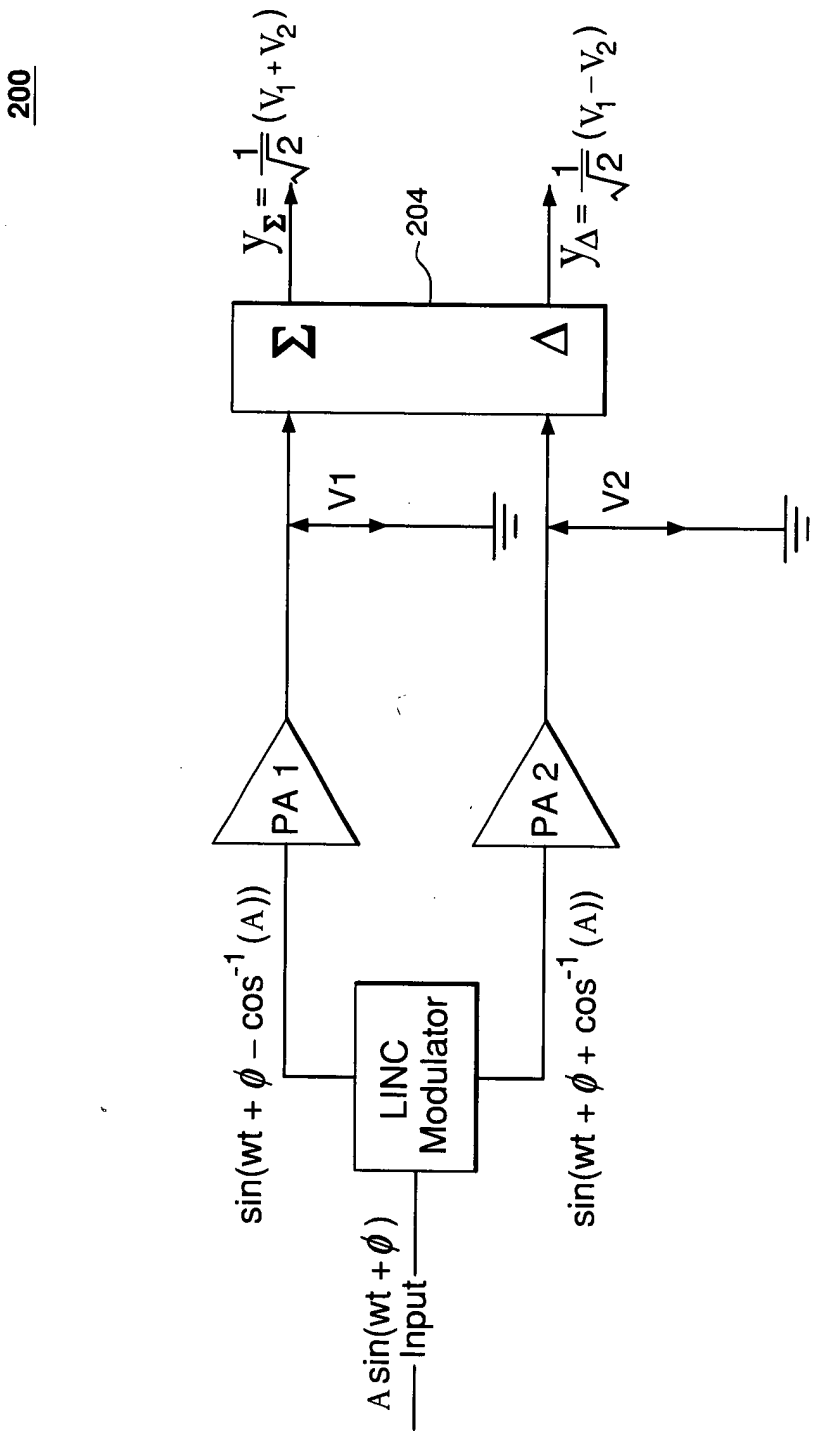

FIG. 2
(PRIOR ART)

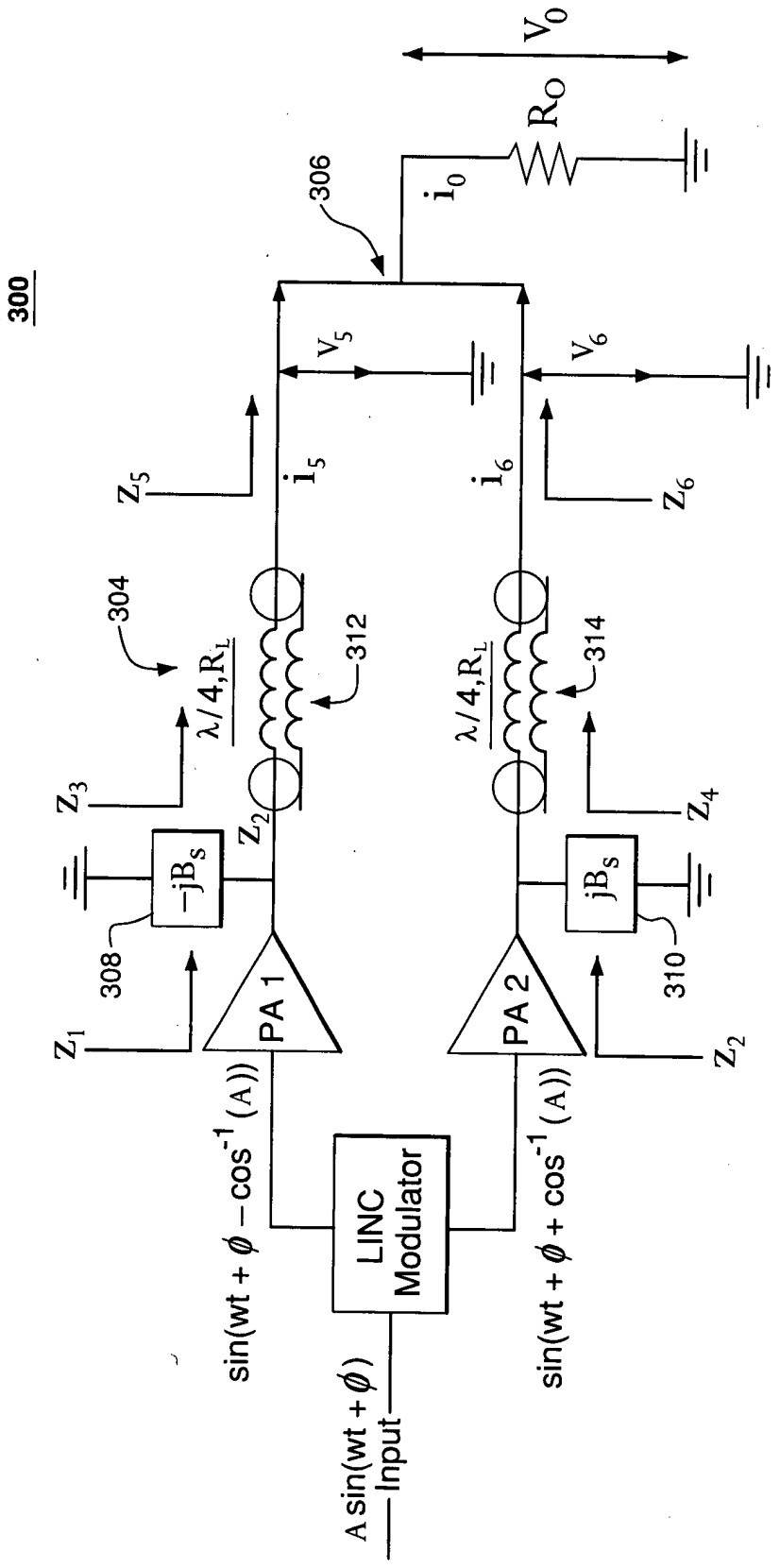

FIG. 3
(PRIOR ART)

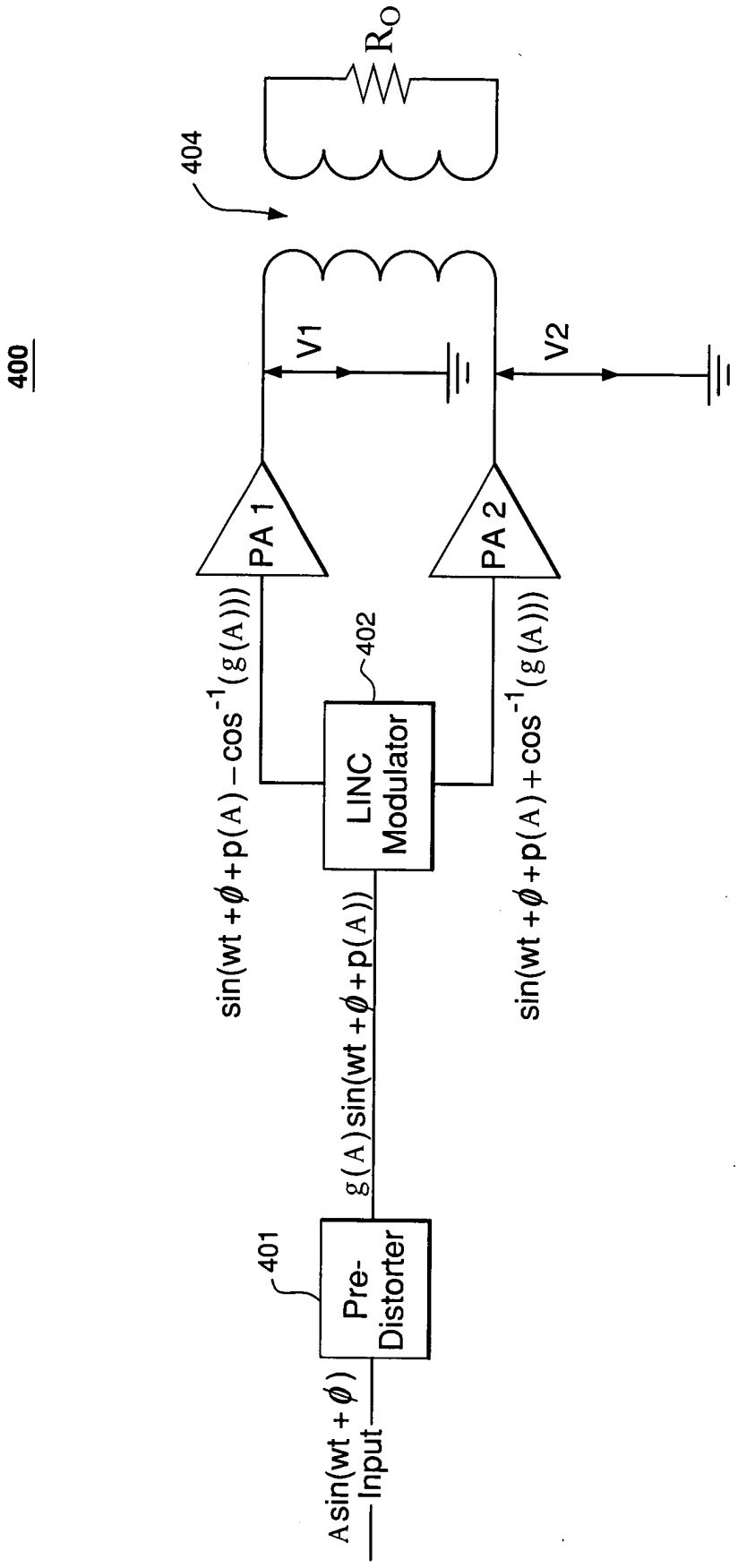
400
$A\sin(wt+\phi)$
Input
401
Pre-
Distorter
$g(A)\sin(wt+\phi+p(A))$
402
LINC
Modulator
$\sin(wt+\phi+p(A)-\cos^{-1}(g(A)))$
$\sin(wt+\phi+p(A)+\cos^{-1}(g(A)))$
PA 1
PA 2
V1
V2
404
R_O

FIG. 4

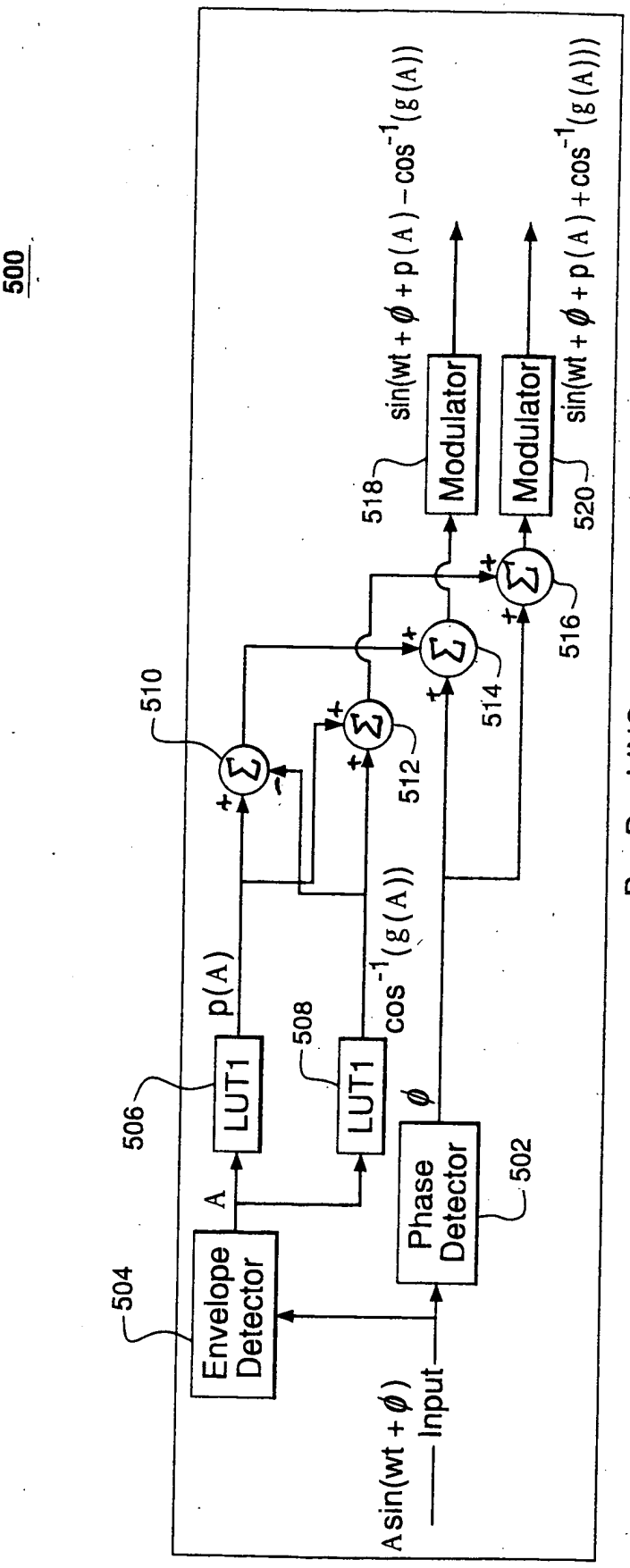
500
Pre-D + LINC
Modulator
Asin(wt + ϕ)
Input
504
Envelope
Detector
A
506
LUT1
p(A)
508
LUT1
cos⁻¹(g(A))
502
Phase
Detector
ϕ
510
512
514
516
518
Modulator
sin(wt + ϕ + p(A) − cos⁻¹(g(A))
520
Modulator
sin(wt + ϕ + p(A) + cos⁻¹(g(A)))

FIG. 5